

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for producing and preserving a biopolymer scaffold material, comprising the steps of:

- a. harvesting tissue from an animal source;
- ~~b. optionally extracting growth and differentiation factors from said tissue;~~
- ~~e. b.~~ inactivating infective agents of said tissue;
- ~~d. c.~~ mechanically expressing applying pressure to said tissue to remove undesirable components from said tissue;
- ~~e. d.~~ delipidizing said tissue; and
- ~~f. e.~~ washing said tissue ~~for removal of~~ to remove chemical residues[[:;]]
- ~~g.~~ optionally drying said tissue; and
- ~~h.~~ optionally cross linking said tissue.

2. (Original) The method of claim 1 wherein said tissue is selected from the group consisting of fetal, neo-natal and post-natal animal tissue.

3. (Original) The method of claim 2 wherein said tissue is bovine.

4. (Original) The method of claim 2 wherein said tissue is porcine.

5. (Currently Amended) A method for using the biopolymer scaffold material produced in claim 1 by applying said biopolymer scaffold material to a lesion or to damaged tissue to promote tissue regeneration.

6. (Currently Amended) ~~A method for using the biopolymer scaffold material produced in claim 1 as a cell delivery, signaling complex or drug delivery device by~~ The method of claim 1 further comprising:

a. f. combining said biopolymer scaffold material with ~~scaffolds made from naturally occurring, man made or self degrading polymers, or~~ with signaling complexes or stem cells, or with drugs; ~~wherein said signaling complexes comprise said growth and differentiation factors extracted from said tissue and treated with sodium hydroxide having a concentration consistent with the retention of biological activity; and~~

b. ~~applying said scaffold material and said scaffolds, signaling complexes, stem cells or drugs to lesion or to damaged tissue to promote tissue regeneration.~~

7. (Currently Amended) A method for using the biopolymer scaffold material as in ~~claim 5~~ claim 1 for hernia repair, the method comprising applying said biopolymer scaffold material to repair a hernia.

8. (Currently Amended) A method for using the biopolymer scaffold material as in ~~claim 5~~ claim 1 for colon, rectal, vaginal and/or urethral prolapse treatment, the method comprising applying said biopolymer scaffold tissue to repair a colon, rectal, or urethral prolapse.

9. (Currently Amended) A method for using the biopolymer scaffold material as in ~~claim 5~~ claim 1 for pelvic floor reconstruction, the method comprising applying said biopolymer scaffold tissue to reconstruct a pelvic floor.

10. (Currently Amended) A method for using the biopolymer scaffold material as in ~~claim 5~~ claim 1 for muscle flap reinforcement, the method comprising applying said biopolymer scaffold tissue to reinforce a muscle flap.

11. (Currently Amended) A method for using the biopolymer scaffold material produced as in ~~claim 5~~ claim 1 for supporting soft tissue of the lung, the method comprising applying said biopolymer scaffold tissue to provide a soft tissue support for a lung.

12. (Currently Amended) A method for using the biopolymer scaffold material produced as in ~~claim 5~~ claim 1 for rotator cuff repair and/or replacement, the method comprising applying said biopolymer scaffold tissue to repair or replace a rotator cuff.

13. (Currently Amended) A method for using the biopolymer scaffold material produced as in ~~claim 5~~ claim 1 for periosteum replacement, the method comprising applying said biopolymer scaffold tissue to replace periosteum.

14. (Currently Amended) A method for using the biopolymer scaffold material produced as in ~~claim 5~~ claim 1 for dura repair, the method comprising applying said biopolymer scaffold tissue to repair dura.

15. (Currently Amended) A method for using the biopolymer scaffold material produced as in ~~claim 5~~ claim 1 for pericardial membrane repair, the method comprising applying said biopolymer scaffold tissue to repair a pericardial membrane.

16. (Currently Amended) A method for using the biopolymer scaffold material produced as in claim 5 for soft tissue augmentation, the method comprising applying said biopolymer scaffold tissue to repair or replace a rotator cuff.

17. (Currently Amended) A method for using the biopolymer scaffold material as in ~~claim 5~~ claim 1 for intervertebral disk repair, the method comprising applying said biopolymer scaffold tissue to repair a intervertebral disk.

18. (Currently Amended) A method for using the biopolymer scaffold material as in ~~claim 5~~ claim 1 for periodontal repair, the method comprising applying said biopolymer scaffold tissue to repair periodontal tissue.

19. (Currently Amended) A method for using the biopolymer scaffold material as in ~~claim 5~~ claim 1 to provide a urethral sling, the method comprising applying said biopolymer tissue to provide a urethral sling.

20. (Currently Amended) A method for using the biopolymer scaffold material produced in ~~claim 5~~ claim 1 to provide a laminectomy barrier, the method comprising applying said biopolymer scaffold tissue to provide a laminectomy barrier.

21-31. (Canceled).

32. (New) The method of claim 1 wherein the tissue is a blood vessel.

33. (New) The method of claim 1 further comprising drying said tissue after said washing step.

34. (New) The method of claim 1 further comprising cross-linking said tissue after said washing step.

35. (New) The method of claim 1 further comprising extracting growth and differentiation factors from said tissue.

36. (New) The method of claim 35 further comprising combining said biopolymer scaffold material with growth and differentiation factors that have been extracted from said

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tissue and then treated with sodium hydroxide having a concentration consistent with the retention of biological activity.